

Anti-SARS-CoV S glycoprotein [F26G10] Standard Size Ab01671-3.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2b, [Fc Silent™](#), Kappa

Clone Number: F26G10

Alternative Name(s) of Target: Spike protein; S protein; SARS-CoV S protein; S glycoprotein; E2; Peplomer protein; Spike protein S1

UniProt Accession Number of Target Protein: P59594

Published Application(s): NTRL, ELISA, IF

Published Species Reactivity: SARS Coronavirus

Immunogen: The original antibody was generated by immunizing the BALB/C mice with the Tor-3 strain of the SARS-CoV.

Specificity: This antibody specifically binds the amino acids 318-510 in the S1 domain of the SARS-CoV Spike protein with a binding affinity of $KD=7.5 (\pm 2.7)$ nM.

Application Notes: This antibody is a SARS-CoV neutralizing antibody. F26G9 was capable of recognising both the S protein and the RBD in an ELISA. The neutralizing mAb, F26G10 specifically recognize SARS-HCoV infected but not uninfected Vero cells in immunofluorescence Immunofluorescence (Berry et al, 2004).

Antibody First Published in: Berry et al. Development and characterisation of neutralising monoclonal antibody to the SARS-coronavirus Journal of Virological Methods (2004); Issue: 1; Volume: 120; Pages: 87-96. [PMID:15234813](#)

Note on publication: Describes the development and characterization of the antibody.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In:

PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.